

1     **ABSTRACT**

2             A system transmits data on a multi-conductor signal path, which produces a  
3     current flow based on the value of the data transmitted. The system reduces  
4     changes in current flow between successive data transmissions by encoding data  
5     values represented by sets of N bits to produce corresponding sets of M symbols.  
6     Each set of M symbols represents multiple bits and each set of M symbols is  
7     selected to produce a current flow within a predetermined range of current flows.  
8     The sets of M symbols are transmitted across the multi-conductor signal path.